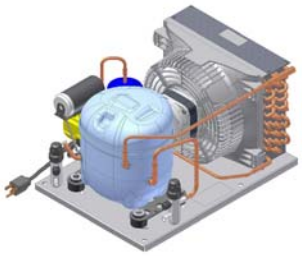
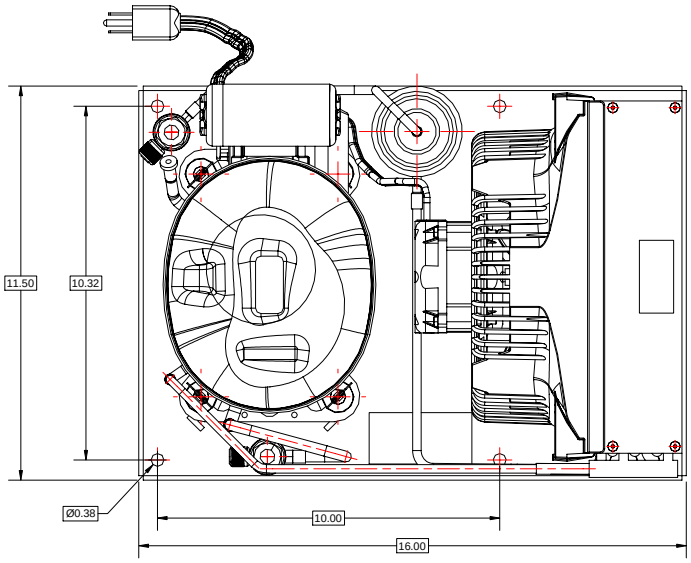
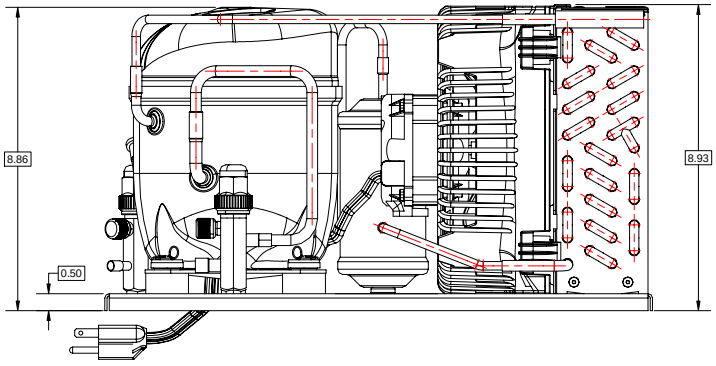
CELSEON® LOW PROFILE CONDENSING UNIT

Model	**AE4430Z-AA1ASK, -SB, -SC, -SS**
BOM	**32F474-39S, -49S, -59S, -69S**
Air Cooled	**1/4 HP**
Application	**High/Commercial Temp**
Refrigerant	**R404A**
Volts-Hz-Ph	**115-60-1**







Model	Dimensions, inches (mm)			Line Connections		Pumpdown	AirFlow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs. (Kg)
AE4430Z-AA1ASK	16 (406)	11.5 (292)	8.9 (226)	5/16" Sweat	1/4" Sweat	n/a	190	9.5	38.1 (17.3)
AE4430Z-AA1ASB						1.36			38.7 (17.6)
AE4430Z-AA1ASC				3/8" Valve Sweat	1/4" Valve Sweat				39.5 (17.9)
AE4430Z-AA1ASS						n/a			38.9 (17.6)

Factory charge 20 PSIG dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-10	23.9	970	280	211	92	870	280	241	102	780	280	274	111	690	280	314	120
-5	28.2	1140	300	218	95	1030	300	248	104	920	300	282	113	810	300	321	122
0	32.8	1320	310	225	97	1190	320	256	106	1060	320	289	115	940	330	329	124
5	37.9	1500	330	233	99	1350	330	264	108	1210	340	298	117	1070	350	337	126
10	42.4	1690	340	242	102	1520	350	273	110	1360	360	307	119	1200	370	346	128
15	48.2	1880	360	251	104	1690	370	282	113	1510	380	316	121	1330	380	355	130
20	**54.5**	**2070**	**370**	**260**	**107**	**1870**	**380**	**291**	**115**	**1660**	**390**	**326**	**123**	**1470**	**400**	**365**	**132**
25	61.2	2400	400	268	109	2170	410	301	117	1950	420	335	126	1740	430	375	134
30	68.4	2610	410	278	112	2360	420	310	120	2120	440	345	128	1880	450	386	136
35	76.1	2810	420	287	114	2550	440	320	122	2280	450	355	130	2030	470	396	138
40	84.4	3010	430	296	116	2730	450	329	124	2450	470	364	132	2170	480	406	140

Performance @ 60 Hz, Return gas 40°F below 20°F Evaporator and 65°F above 20°F evaporator, SubCooling 5°F

Parts/Specifications

Unit BOM	**32F474-39S**	Condenser	506-G333
Unit MODEL	**AE4430Z-AA1ASK**	Fan Guard	116-002P
		Condenser, Fan Guard Kit	K135-01
Refrigerant	R404A	Power Cord	85106-10
Refrigeration RANGE	-10°F to 45°F		
Design Pressure Low	181	Fan Motor	NUT6B09ZUN301
Design Pressure High	450	Fan Blade	4VEA009
Volts - HZ - Ph	115V ~ 60HZ	Replacement Fan Motor	6W115
Voltage Range	103.5 - 126.5	Fan Motor, Blade, Guard assy	GFBG-106
Min. Circuit Ampacity	6.785	Fan Motor RLA	0.41
Max. Fuse Size	15		
Compressor MODEL	AE4430Z-AA1A		
Compressor BOM	AE-1167-E		
Compressor LRA	32	**Unit BOM**	**32F474-49S**
Compressor RLA	5.1	**Unit MODEL**	**AE4430Z-AA1ASB**
		Liquid Receiver	51085-1
OverLoad	830-10114		
Replacement Kit - O/L	K90-66	**Unit BOM**	**32F474-59S**
Relay	820-10085	**Unit MODEL**	**AE4430Z-AA1ASC**
Replacement Kit - Relay	K71-46	Liquid Receiver	51085-1
Run Capacitor		Liquid Valve	56605
Run Capacitor Rating		Suction Valve	56604
Start Capacitor	85PS165D64		
Start Capacitor Rating	324-389 MFD 165V	**Unit BOM**	**32F474-69S**
		Unit MODEL	**AE4430Z-AA1ASS**
Unit drawing DGU	DGU1896-G103	Liquid Valve	56605
Electrical Diagram	DEAE-10	Suction Valve	56604